



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

United Enertech Corp.
3005 South Hickory Street
Chattanooga, TN 37407

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model VV-10-D Aluminum Louver with or without CD-151 Damper

APPROVAL DOCUMENT: Drawing No. 14-100, titled "VV-10-D Aluminum Louver w/ or w/o CD-151 Damper Assembly", sheets 1 through 7 of 7, dated 12/11/2014, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews and revises** NOA # 12-0120.07 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



Carlos M. Utrera
04/01/2015

NOA No. 15-0107.02
Expiration Date: August 18, 2020
Approval Date: April 2, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **14-100**, titled "VV-10-D Aluminum Louver w/ or w/o CD-151 Damper Assembly", sheets 1 through 7 of 7, dated 12/11/2014, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS *"Submitted under NOA # 05-0314.02"*

1. Test report of Uniform Static Air Pressure Test per TAS 202-94, Large Missile Impact Test per TAS 201-94 and Cyclic Wind Pressure Loading per TAS 203-94 on a 144" x 96" aluminum louver system with damper prepared by American Test Lab of South Florida, Test Report No. **0203.01-05**, dated 03/10/2005, signed and sealed by W. R. Mehner, P.E. and H. Hattem, P.E.
2. Test report of Wind Driven Rain Resistance per TAS 100(A)-95 on a VV-10-D Louver w/ CD151 Parallel Blade Damper, prepared by PRI Asphalt Technologies, Inc, Test Report No. **PRI05014**, dated 02/08/2005, signed and sealed by C. L. Thomas, P.E.
3. Test report of Tensile Test per ASTM E-8 of 6 samples, Test Report No. **5BM-187**, dated 03/07/2005, and signed by Frank Grate.

C. CALCULATIONS *"Submitted under NOA # 09-0203.10"*

1. Anchoring calculations, prepared by Tilteco Inc, dated 01/13/2009, sheets 1 through 3 of 3, complying with F.B.C. 2007, signed and sealed by Walter A. Tillit Jr., P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS *"Submitted under NOA # 12-0120.07"*

1. Statement letter of code conformance to 2010 FBC issued by Tilteco, Inc., dated 01/16/2012, signed and sealed by Walter A. Tillit, Jr., P.E.

"Submitted under NOA # 05-0314.02"

2. Letter of no financial interest issued by Tilteco, Inc., dated 02/28/2005, signed and sealed by Walter A. Tillit, Jr., P.E.



04/01/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-0107.02
Expiration Date: August 18, 2020
Approval Date: April 2, 2015

GENERAL NOTES:

1.) W-10-D ALUMINUM LOUVER SYSTEM W/ OR W/O CD-151 DAMPER SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2010 EDITION OF THE FLORIDA BUILDING CODE. THIS ALUMINUM LOUVER SYSTEM W/ OR W/O DAMPER MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-10 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON THIS SHEET.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO TO COMPARE THESE W/ MAX. (A.S.D) DESIGN PRESSURE RATINGS INDICATED ON THIS SHEET.

ALUMINUM LOUVER SYSTEM W/ OR W/O DAMPER'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER AMERICAN TESTING LAB REPORT #0203.01-05, AS PER TAS-201, TAS-202, TAS-203, & PRI TECHNOLOGIES LAB REPORT #UEC-001-02-01, PER TAS-100A (WIND DRIVEN RAIN, EXCEEDS ANSI/AMCA 550-09 STANDARD)

2.) ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T5 ALLOY W/ MIN. SPECIFIC YIELD STRENGTHS AS SHOWN ON SHEET 2.

3.) ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 SERIES WITH 50 ksi YIELD POINT AND 90 ksi TENSILE STRENGTH OR CORROSION RESISTANT CARBON STEEL AS PER DIN 50018 AND SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.

4.) ALL WELDING OF ALUMINUM FRAMING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY A.W.S. D.1.2 REGULATIONS. USE CERTIFIED WELDERS. USE ER-5356 ELECTRODES.

5.) ANCHORS TO EXISTING STRUCTURE SHALL BE AS FOLLOWS (SEE SHEET 6):

(A) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER. E.D. IS BEYOND ANY WALL FINISH.

ANCHOR TYPE	MANUFACTURER	DIAMETER OR GAGE	MIN. EMBEDMENT				MIN. EDGE DISTANCE (E.D)		
			TO CONCRETE (f'c=3192 psi) MIN.	TO CONCRETE BLOCK ASTM (C-90 UNIT)	TO 1/8" MIN. STEEL Fy=33 ksi (MIN.)	TO WOOD (G ≥ 0.55)	CONCRETE OR CONCRETE BLOCK	STEEL	WOOD
TAPCONS	ITW/ BUILDEX	1/4"	1-3/4"	1-1/4"	N/A	1 1/2"	3"	N/A	2"
TEK SCREWS	ITW/ BUILDEX	1/4"	N/A	N/A	3/4"	N/A	N/A	1"	N/A

6.) W-10-D ALUMINUM LOUVER SYSTEM W/O CD-151 DAMPER SHALL ONLY BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.

7.) W-10-D ALUMINUM LOUVER SYSTEM W/ CD-151 DAMPER MAY BE INSTALLED IN LOCATIONS WHERE THE ROOM BEHIND THE LOUVER IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, OR THE ROOM WILL HOUSE NON-WATER RESISTANT EQUIPMENT, COMPONENTS, OR SUPPLIES. INSTALLATION ON LOUVER W/ DAMPER IS LIMITED TO 40 FT IN HEIGHT ACCORDING TO TABLE 3 OF TAS 100(A)-95.

8.) CD-151 DAMPER IS AN OPERABLE ASSEMBLY. IT MAY BE OPERATED BY MEANS OF A HAND QUADRANT HANDLE MECHANISM (AS SHOWN ON SHEET 7) OR THROUGH AN ELECTRICAL OR PNEUMATIC ACTUATOR. DAMPER'S OPERATIVE MECHANISM IS NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.

9. ALL ALUMINUM IN CONTACT W/DISSIMILAR MATERIALS MUST BE PAINTED PER SECTIONS 2003.8.4.2, 2003.8.4.4, 2003.8.4.5 AND 2003.8.4.6 OF THE FLORIDA BUILDING CODE AS APPLICABLE.

10.) IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE LOUVER SYSTEM IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE.

11.) (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.

(D) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D.

(E) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.

12.) LOUVER MANUFACTURER LABEL SHALL BE PLACED ON THE EXPOSED SURFACE OF LOUVER BLADE (COMPONENT (D)). ONE LABEL SHALL BE PLACED FOR EVERY OPENING AND SHALL READ AS FOLLOWS:
UNITED ENERTECH, INC.
CHATTANOOGA, TN
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

A.S.D. DESIGN PRESSURE RATING:
+150, -150 psf.

THIS DRAWING SHALL ONLY BE USED TO
OBTAIN PERMITS IN THE STATE OF FLORIDA

8.) CD-151 DAMPER IS AN OPERABLE ASSEMBLY. IT MAY BE OPERATED BY MEANS OF A HAND QUADRANT HANDLE MECHANISM (AS SHOWN ON SHEET 7) OR THROUGH AN ELECTRICAL OR PNEUMATIC ACTUATOR. DAMPER'S OPERATIVE MECHANISM IS NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.


9. ALL ALUMINUM IN CONTACT W/DISSIMILAR MATERIALS MUST BE PAINTED PER SECTIONS 2003.8.4.2, 2003.8.4.4, 2003.8.4.5 AND 2003.8.4.6 OF THE FLORIDA BUILDING CODE AS APPLICABLE.

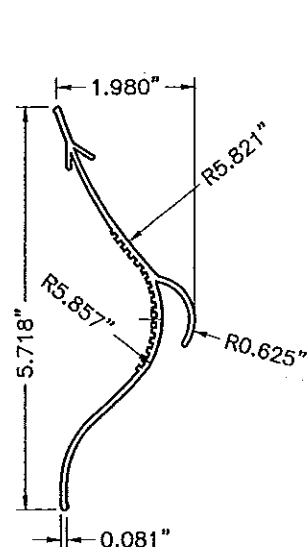
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No 15-0107-02
Expiration Date 02/18/20
By [Signature]
Miami Dade Product Control
MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF
FLORIDA
P.E. SEAL/SIGNATURE/DATE

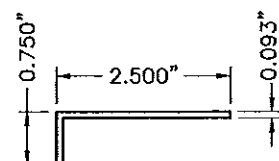
© 2014 TILTECO, INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

W-10-D ALUMINUM LOUVER W/ OR W/O CD-151 DAMPER ASSEMBLY						DRAWN BY: LA/A.G./M.L.	
 3005 South Hickory Street Chattanooga, TN 37407 Telephone: (423)698-7715						12/11/14 DATE	
						14-100 DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 1 OF 7	
1	OLD 11-133	12/11/14	3				
2			4				



1L VERTICAL BLADE

MATERIAL:
(6063-T5 ALUMINUM ALLOY)
Fy(MIN.)=31.6 ksi

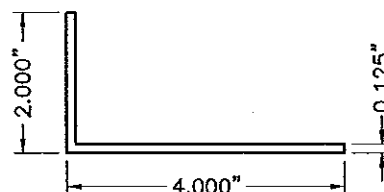


4L 1ST BLADE BLANK-OFF

MATERIAL:
FORMED ALUMINUM
(6063-T5 ALUMINUM ALLOY)

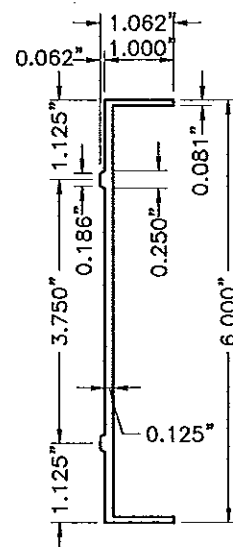
7L BLANK-OFF PANEL

3 3/4" X .093" CONT ALUM. PLATE
(6063-T5 ALUMINUM ALLOY)



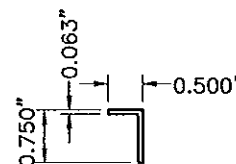
10L TOP & BOTTOM ALUM. ANGLE

MATERIAL:
(6063-T5 ALUMINUM ALLOY)



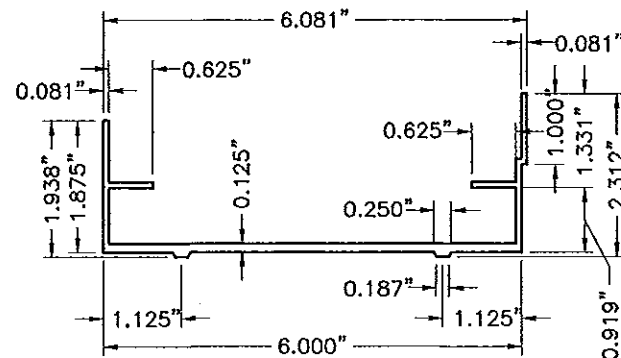
2L JAMB & HEAD

MATERIAL:
(6063-T5 ALUMINUM ALLOY)
Fy(MIN.)=25.3 ksi



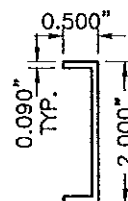
5L BLADE'S SPACER

MATERIAL:
(6063-T5 ALUMINUM ALLOY)



3L SILL

MATERIAL:
(6063-T5 ALUMINUM ALLOY)
Fy(MIN.)=32.7 ksi



6L ALUM. CHANNEL

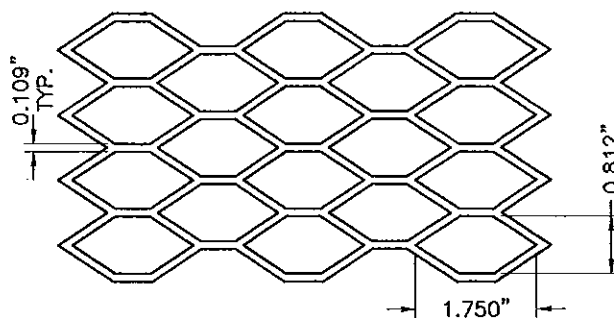
MATERIAL:
FORMED ALUMINUM
(6063-T5 ALUMINUM ALLOY)

8L BLANK-OFF PANEL

3 1/8" X .093" CONT ALUM. PLATE
(6063-T5 ALUMINUM ALLOY)

9L COVER STRIP

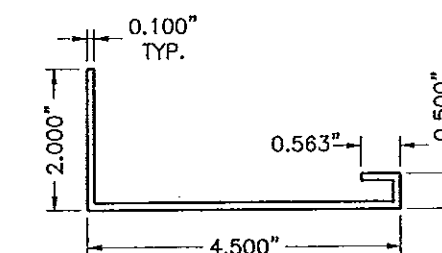
2" X 1/8" X 92" MAX. ALUM. PLATE
(6063-T5 ALUMINUM ALLOY)



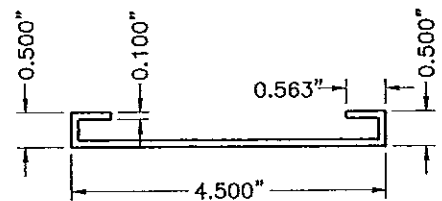
11L REAR MESH

MATERIAL:
NOMINAL 3/4"x0.050" THICK (0.17 lb/SQ. FT)
(3003-H14 ALUMINUM ALLOY)

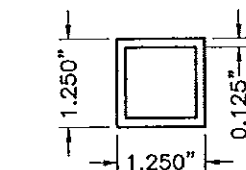
VV-10D LOUVER COMPONENTS



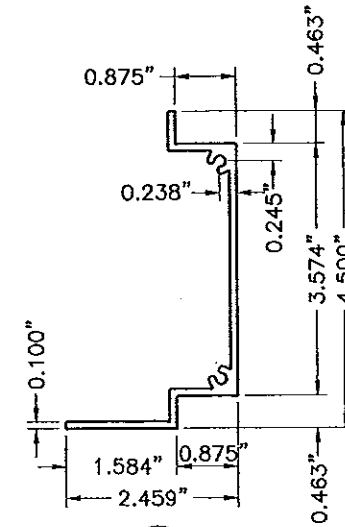
1D HEAD & SILL



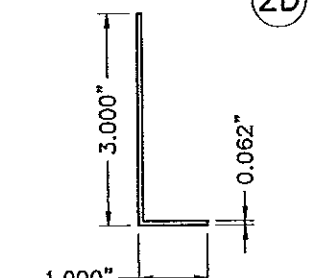
7D MID-HEIGHT HEAD or SILL



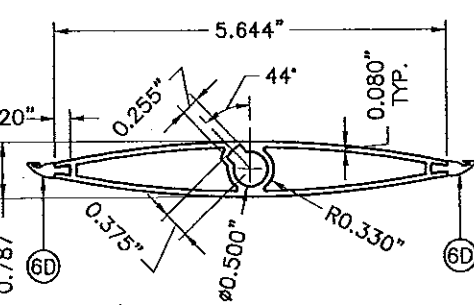
1I INTERMEDIATE TUBE FRAME



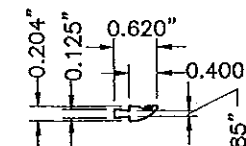
2D JAMB



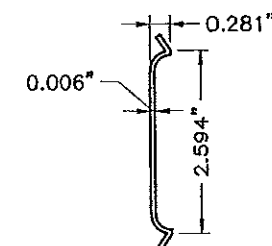
8D ALUM. ANGLE BLADE STOP



3D DAMPER BLADE



6D BLADE SEAL



9D JAMB SEAL

CD-151 DAMPER AND INTERMEDIATE TUBE FRAME COMPONENTS

(EXCLUDES COMPONENTS FOR OPERATIVE MECHANISM, SEE NOTE 8/1)

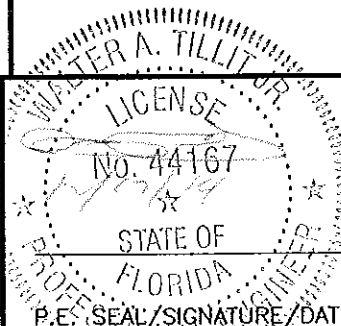
BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL	SIZE	REMARKS
1D	EXTRUDED ALUM HEAD & SILL	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=33.4 ksi
2D	EXTRUDED ALUM JAMB	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=31.6 ksi
3D	EXTRUDED ALUM DAMPER BLADE	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=31.8 ksi
4D	BUSHING	BRONZE	1/2" I.D.(5/8" O.D.)x1/4"	0.059" THICK @ WASHER SIDE
5D	AXLE PIN	ZAMAC No. 3 ZINC	1/2"x3 1/8"	WITH NYLON WASHER & LOCK RING
6D	BLADE SEAL	SILICONE	SEE DETAIL	ASTM D-2000, 60-65 DUROMETER
7D	MID-HEIGHT EXTRUDED ALUM. HEAD or SILL	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=29.8 ksi
8D	ALUM. ANGLE BLADE STOP	6063-T5 ALUMINUM ALLOY	SEE DETAIL	WITH VINYL WEATHER STRIP AT END OF 3" LEG
9D	JAMB SEAL	STAINLESS STEEL 316 SERIES	SEE DETAIL	ATTACHED TO 2D W/(3) DOUBLE SIDED (1"x1/8") TAPES
10D	SDS TEK SCREWS ITW / BUILDEX	ZINC PLATED STEEL	1/4"x1" LONG	FASTEN TO 8D @ 12" O.C., 2 1/2" FROM ENDS
1I	INTERMEDIATE TUBE FRAME	6063-T5 ALUMINUM ALLOY	SEE DETAIL THIS SHEET AND SHEET 5.	Fy(MIN.)=31.9 ksi INSTALL BETWEEN DAMPER & LOUVER FRAME.

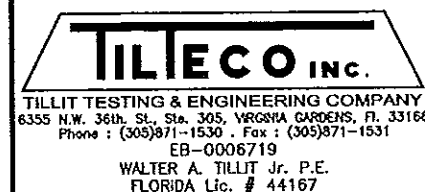
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-9107-02
Expiration Date 08/16/22

By *[Signature]*
Miami Dade Product Control

MIAMI-DADE COUNTY



© 2014 TILTECO, INC



FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

VV-10-D ALUMINUM LOUVER W/ OR
W/O CD-151 DAMPER ASSEMBLY

DRAWN BY:
I.A./A.G./M.L.

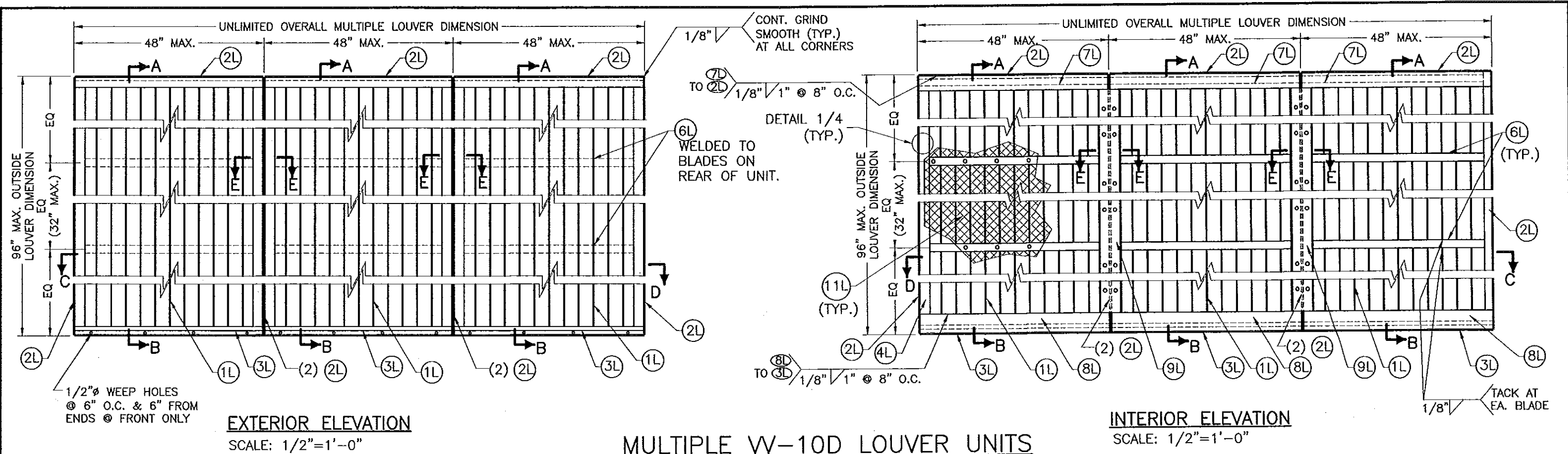
12/11/14
DATE

14-100
DRAWING No

SHEET 2 OF 7

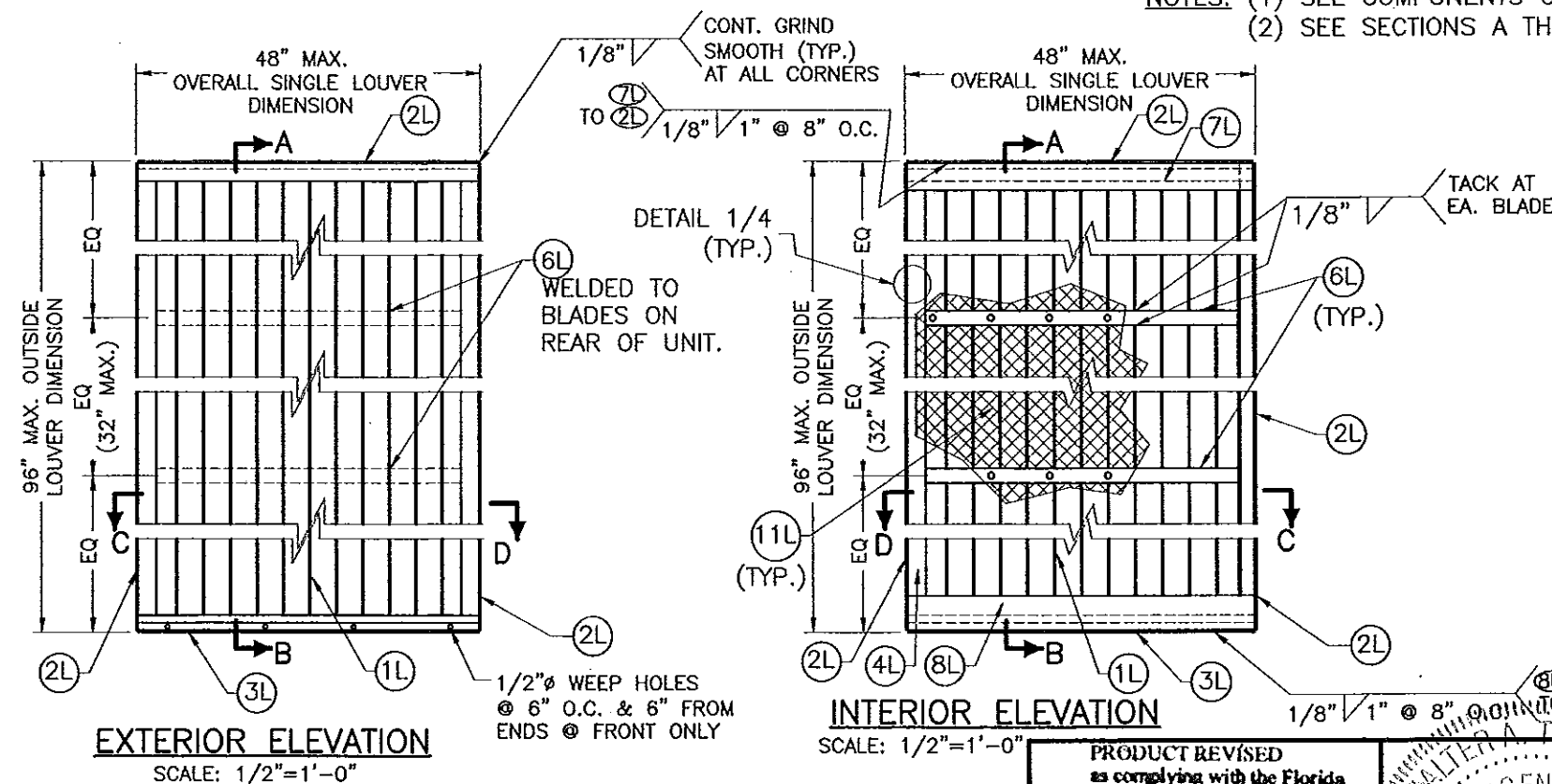


REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 11-133	12/11/14	3		
2			4		



MULTIPLE W-10D LOUVER UNITS

NOTES: (1) SEE COMPONENTS ON SHEET 2.
(2) SEE SECTIONS A THRU D ON SHEET 4.



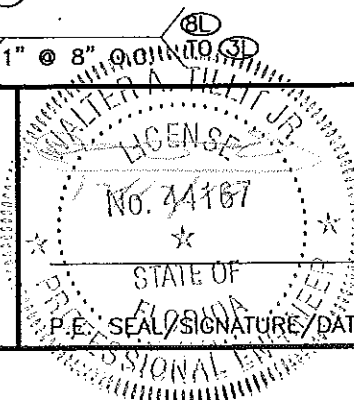
SINGLE W-10D LOUVER UNITS

NOTES: (1) SEE COMPONENTS ON SHEET 2.
(2) SEE SECTIONS A THRU D ON SHEET 4.

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-9107.02
Expiration Date 08/18/20
By *[Signature]*
Miami Dade Product Control

MIAMI-DADE COUNTY



© 2014 TILTECO, INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 • Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

W-10-D ALUMINUM LOUVER W/ OR
W/O CD-151 DAMPER ASSEMBLY

United Erectech
3005 South Hickory Street
Chattanooga, TN 37407
Telephone: (423) 698-7715

DRAWN BY:
IA/AG/M.L.

12/11/14
DATE

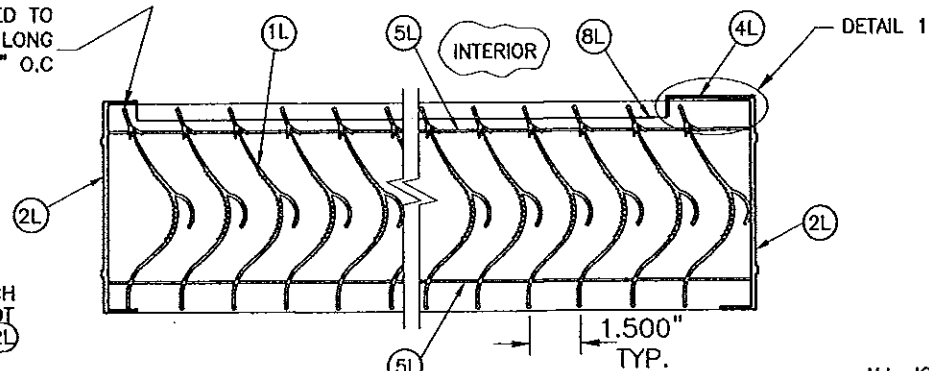
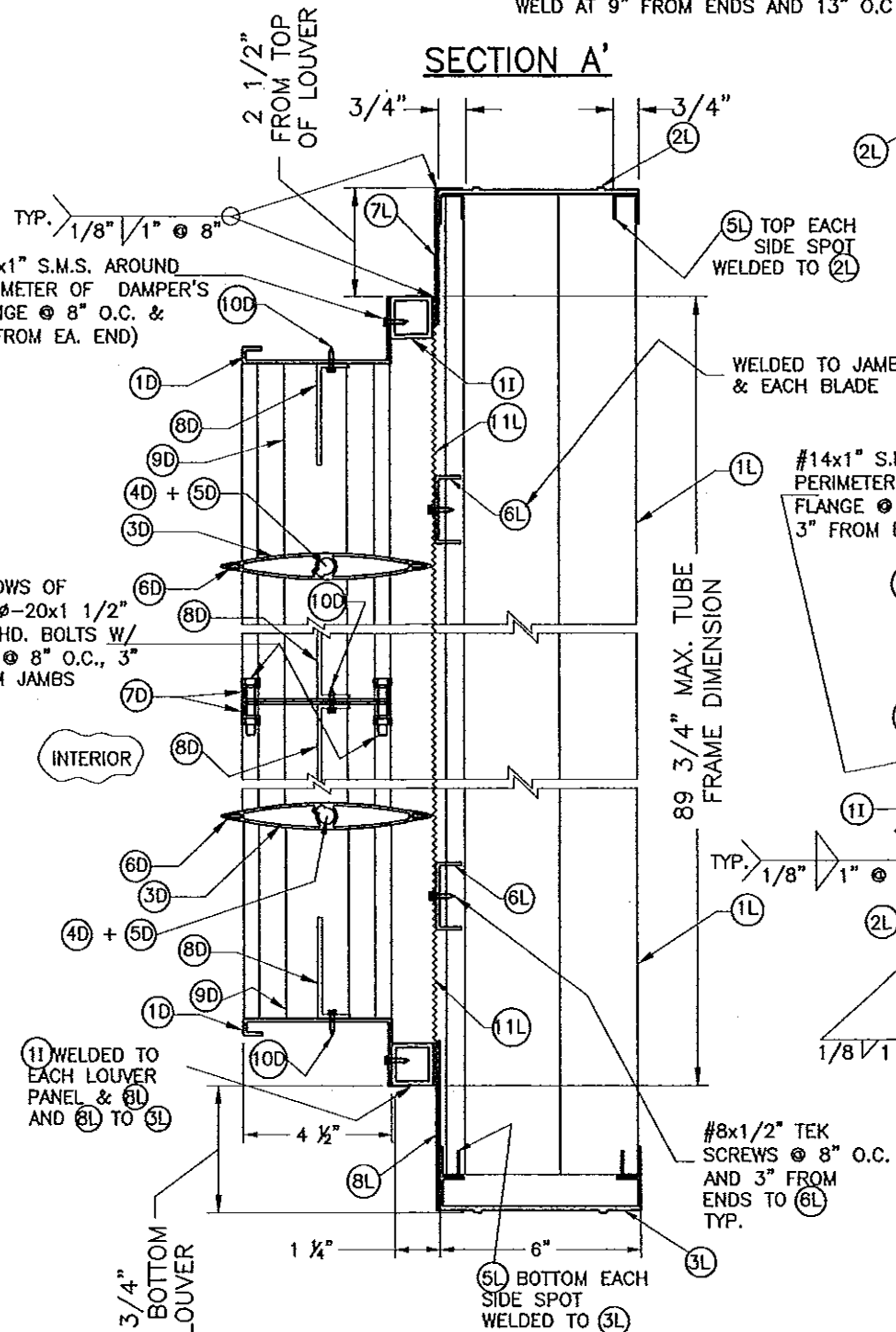
14-100
DRAWING No

SHEET 3 OF 7

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 11-133	12/11/14	3		
2			4		

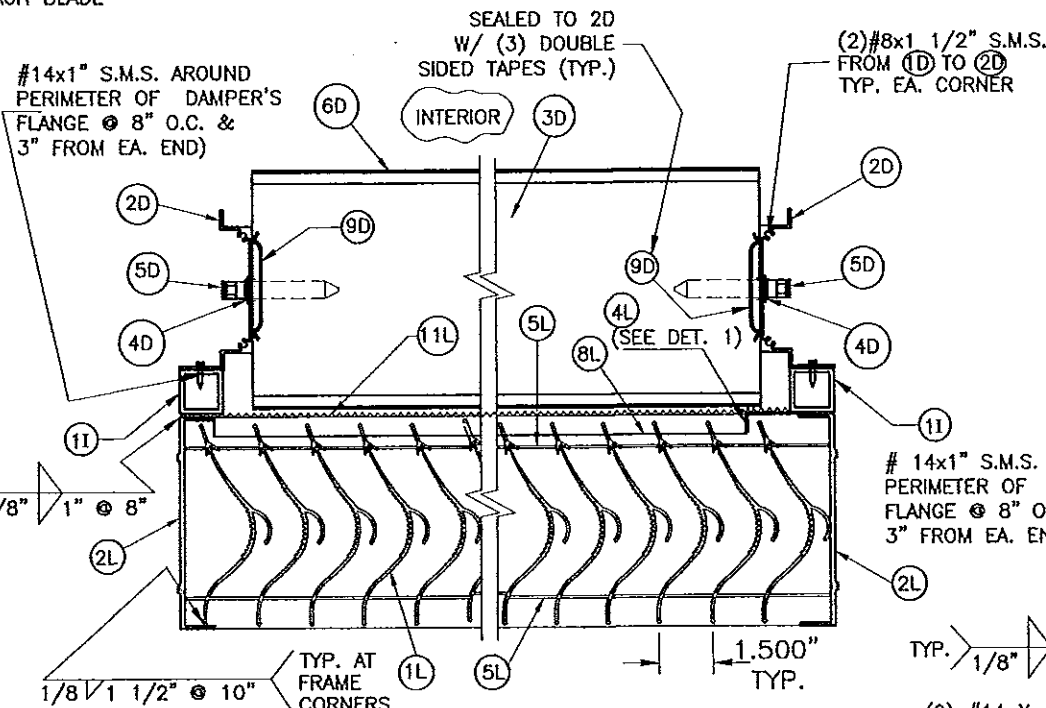
FIRST & LAST BLADE WELDED TO EACH JAMB W/ (7) 1/16x1/2 LONG WELD AT 9" FROM ENDS AND 13" O.C.

SECTION A'



SECTION C

SCALE: 3/16"=1"



SECTION C'-C'

SCALE: 3/16"=1"

SECTION D

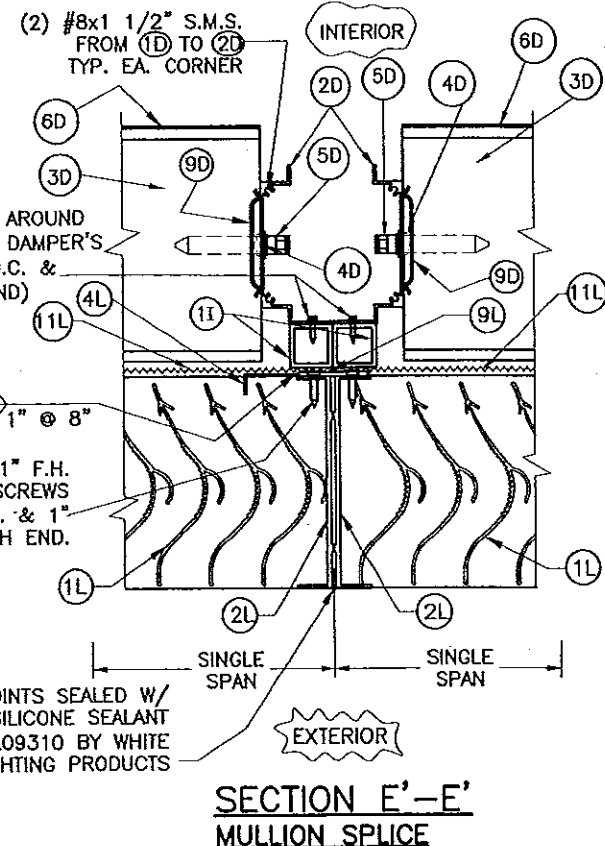
SCALE: 3/16"=1"

SECTION D'-D'

SCALE: 3/16"=1"

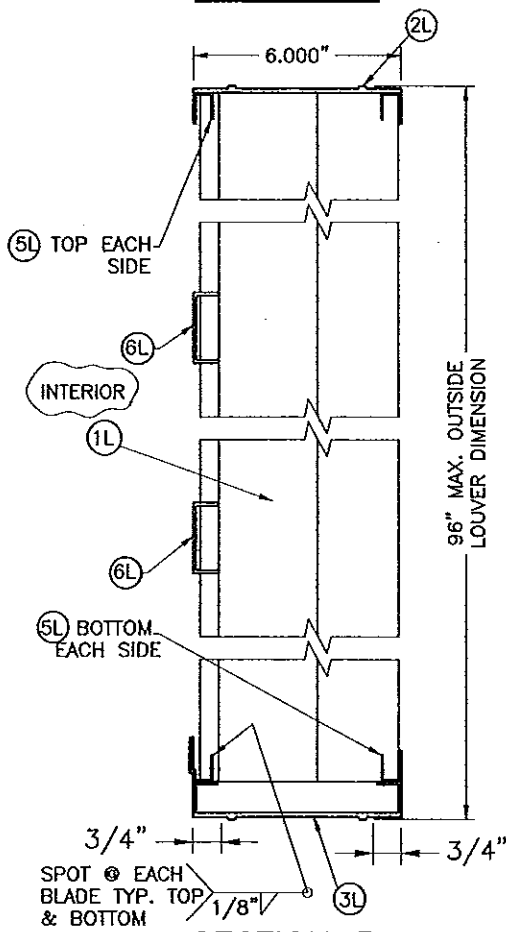
ALL JOINTS SEALED W/ CONT. SILICONE SEALANT # WLO9310 BY WHITE LIGHTING PRODUCTS

SECTION E-E MULLION SPLICE



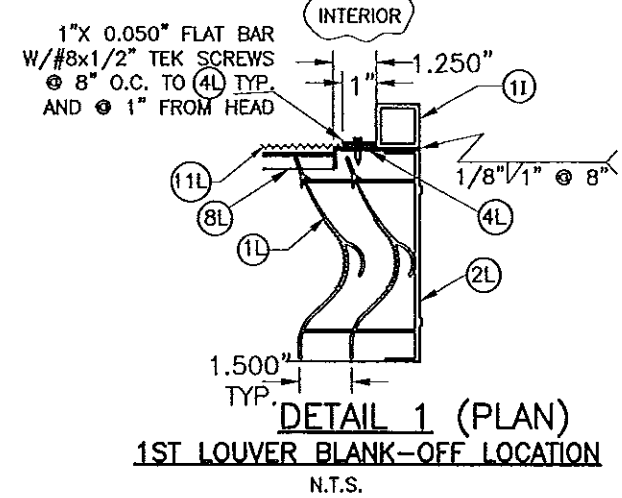
SECTION E'-E' MULLION SPLICE

SECTION A



SECTION B

(SEE ELEVATIONS ON SHEET 3)



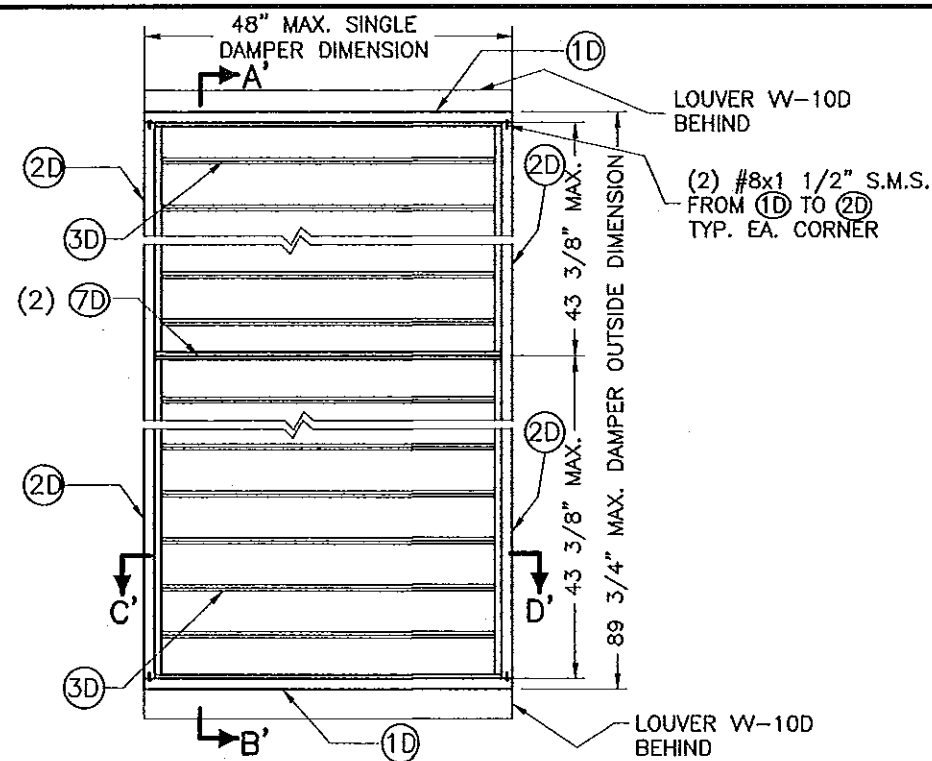
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 15-0107.02 Expiration Date 08/18/20 By Miami Dade Product Control MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER P.E. SEAL/SIGNATURE/DATE

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FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

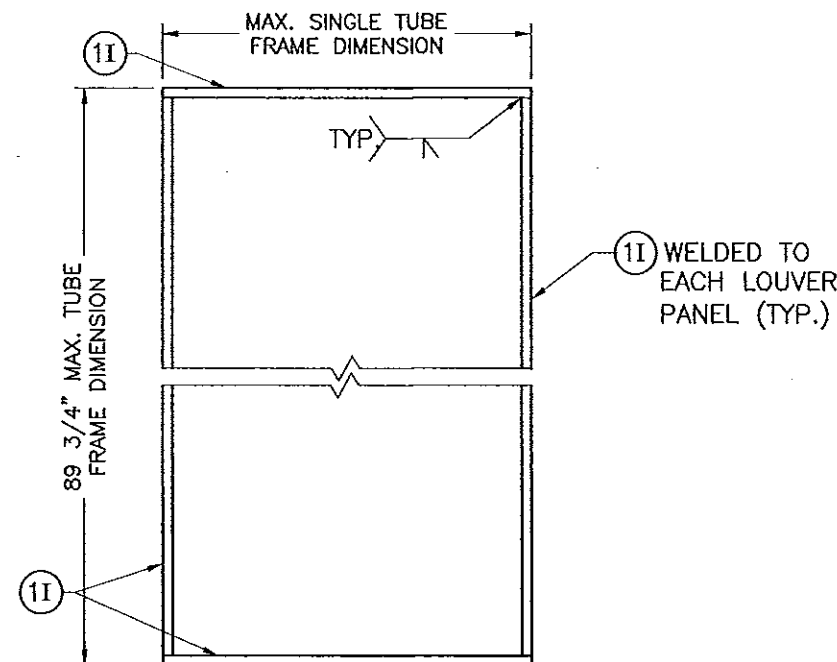
W-10-D ALUMINUM LOUVER W/ OR W/O CD-151 DAMPER ASSEMBLY				DRAWN BY: LA/AG/M.L.	
				12/11/14 DATE	
				14-100 DRAWING No	
				SHEET 4 OF 7	



INTERIOR ELEVATION
CD-151 DAMPER SINGLE UNITS

SCALE: 1/2"=1'-0"

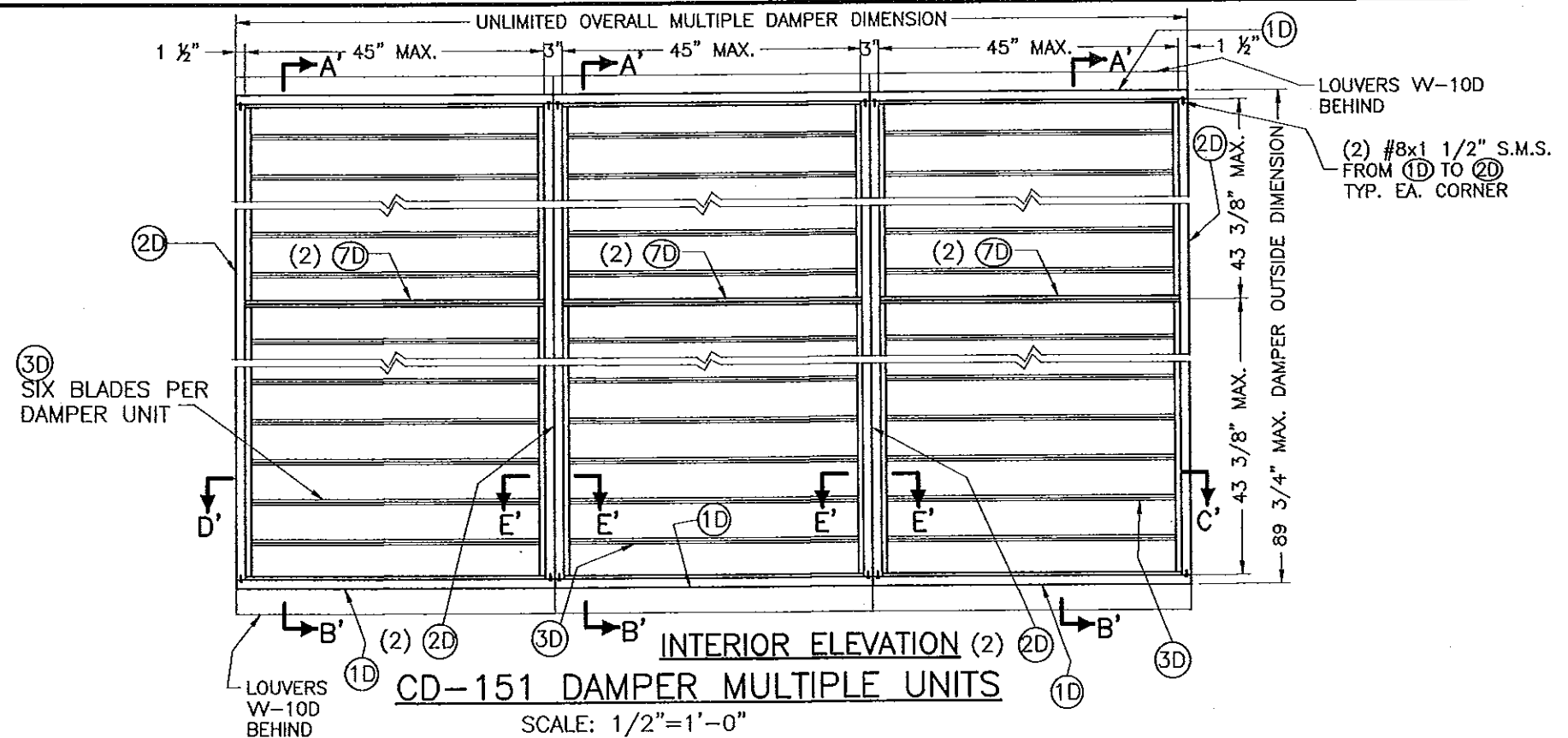
- (1) SEE COMPONENTS ON SHEET 2.
(2) SEE SECTIONS A' THRU D' ON SHEET 4.



ELEVATION

INTERMEDIATE TUBE FRAME FOR CD-151
DAMPER ATTACHMENT AT SINGLE UNITS

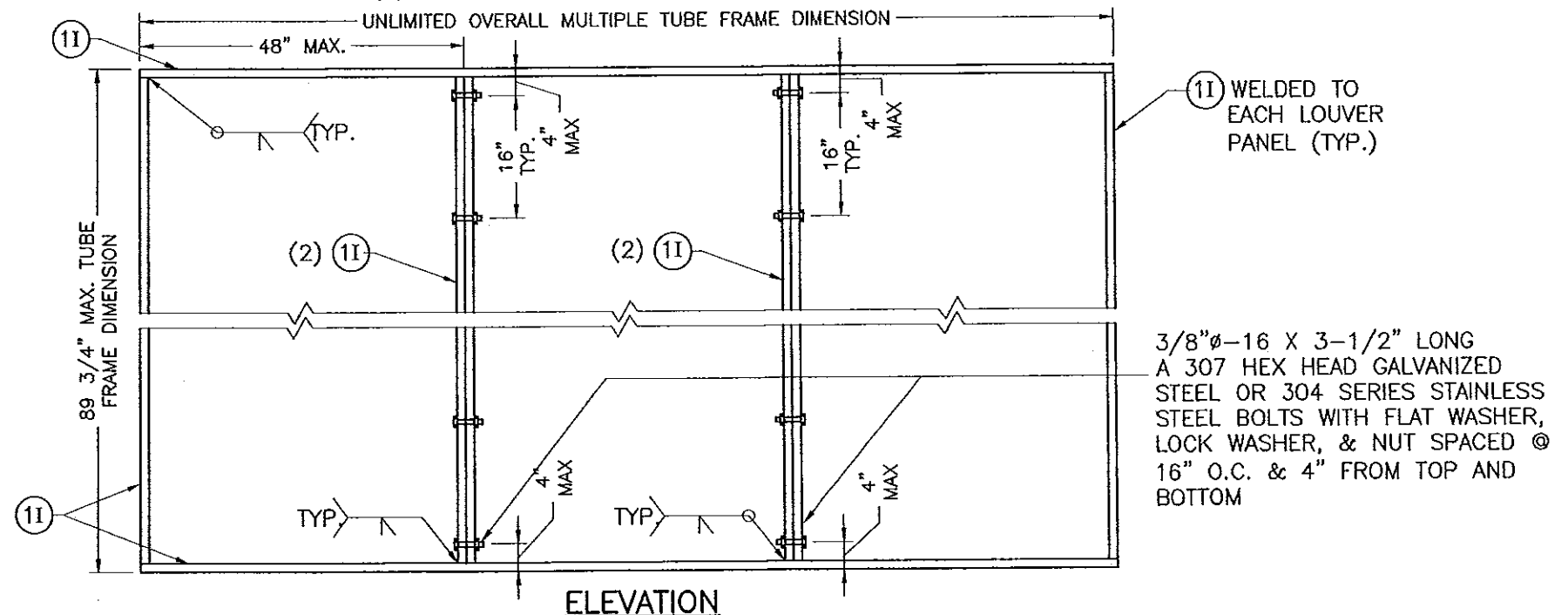
SCALE: 1/2"=1'-0"



INTERIOR ELEVATION (2)
CD-151 DAMPER MULTIPLE UNITS

SCALE: 1/2"=1'-0"

- (1) SEE COMPONENTS ON SHEET 2.
(2) SEE SECTIONS A' THRU D' ON SHEET 4.



ELEVATION

INTERMEDIATE TUBE FRAME FOR CD-151 DAMPER ATTACHMENT AT MULTIPLE UNITS

SCALE: 1/2"=1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0107-02
Expiration Date 08/18/20
By *[Signature]*
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
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Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

WV-10-D ALUMINUM LOUVER W/ OR
W/O CD-151 DAMPER ASSEMBLY

United Enertech
3005 South Hickory Street
Chattanooga, TN 37407
Telephone: (423)698-7715

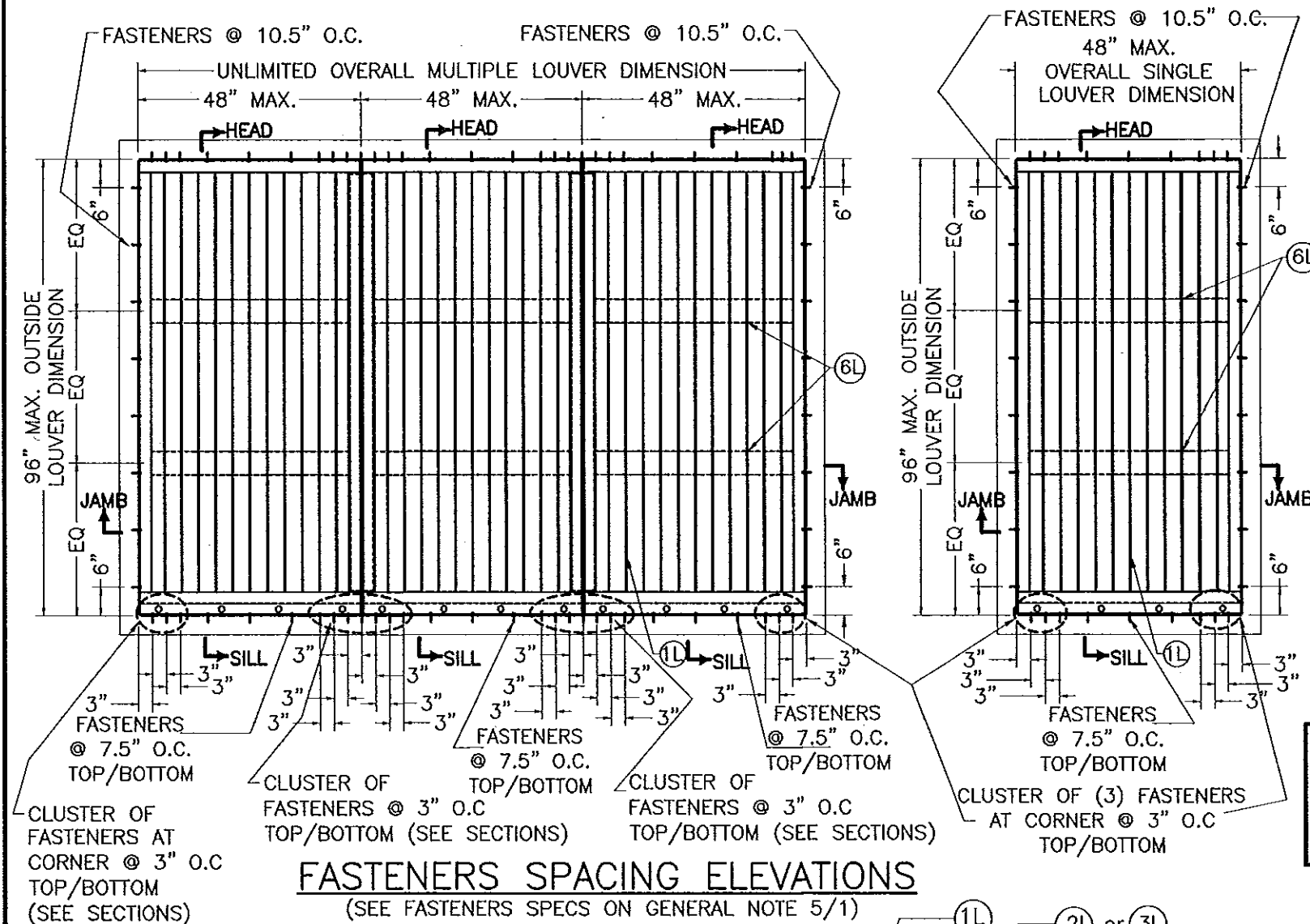
DRAWN BY:
IA/AG/M.L.

12/11/14
DATE

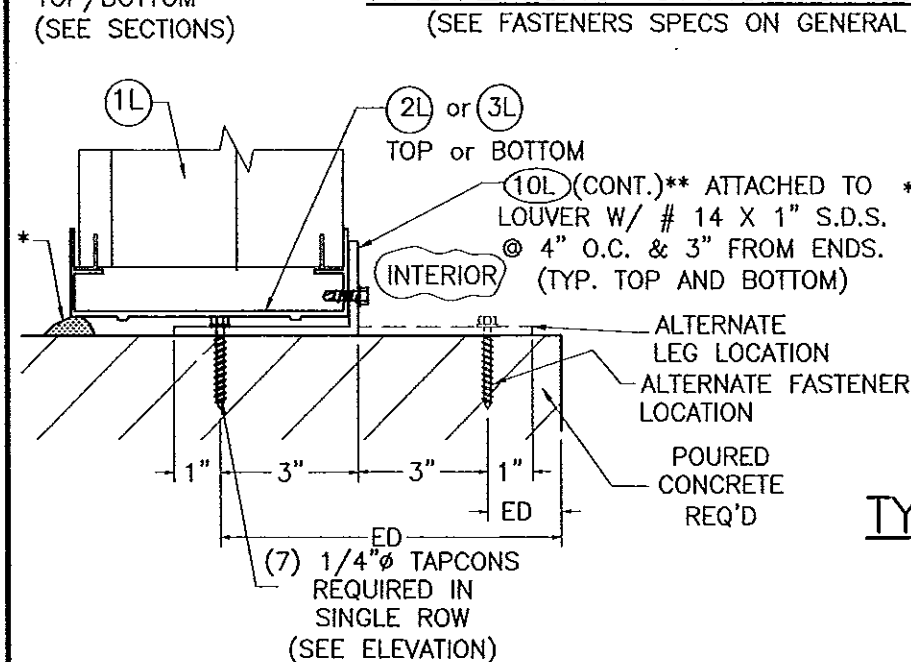
14-100
DRAWING No

SHEET 5 OF 7

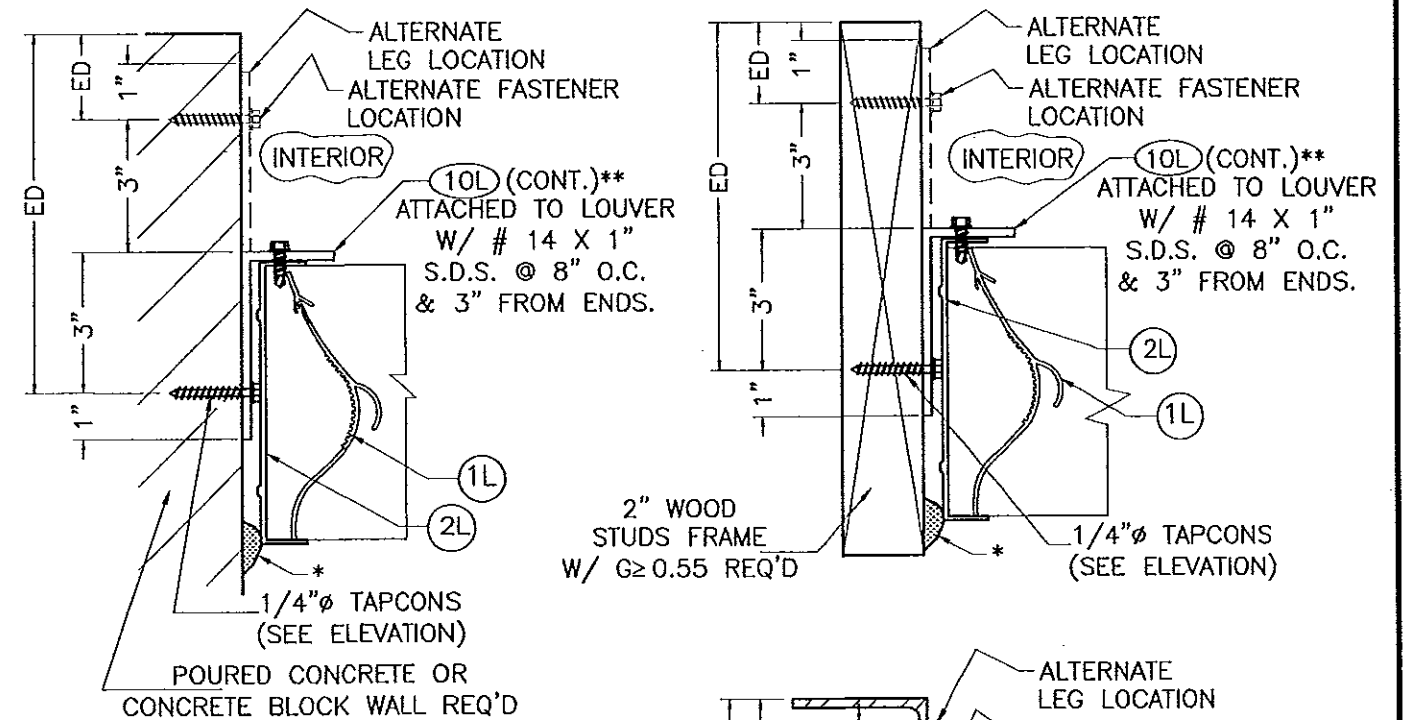
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 11-133	12/11/14	3		
2			4		



FASTENERS SPACING ELEVATIONS
(SEE FASTENERS SPECS ON GENERAL NOTE 5/1)

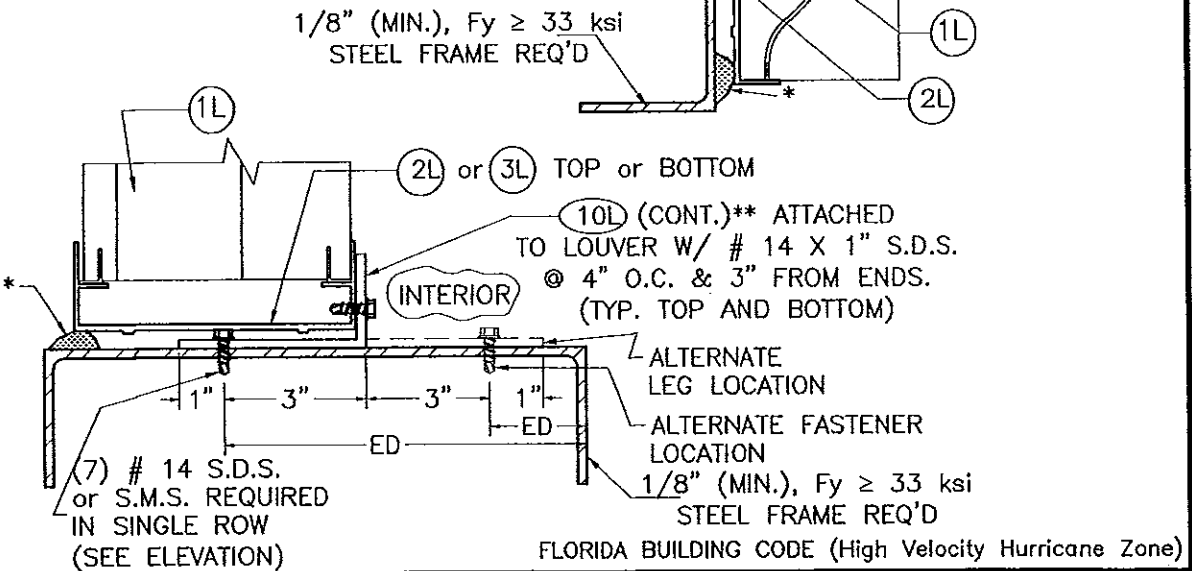


TYP. HEAD & SILL SECTIONS



TYP. JAMB SECTIONS

* 1/4" MAX. SHIM SPACE.
PROVIDE CONT. SEALANT
AT SHIM SPACE.
** SEE GENERAL NOTE 9/1



FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

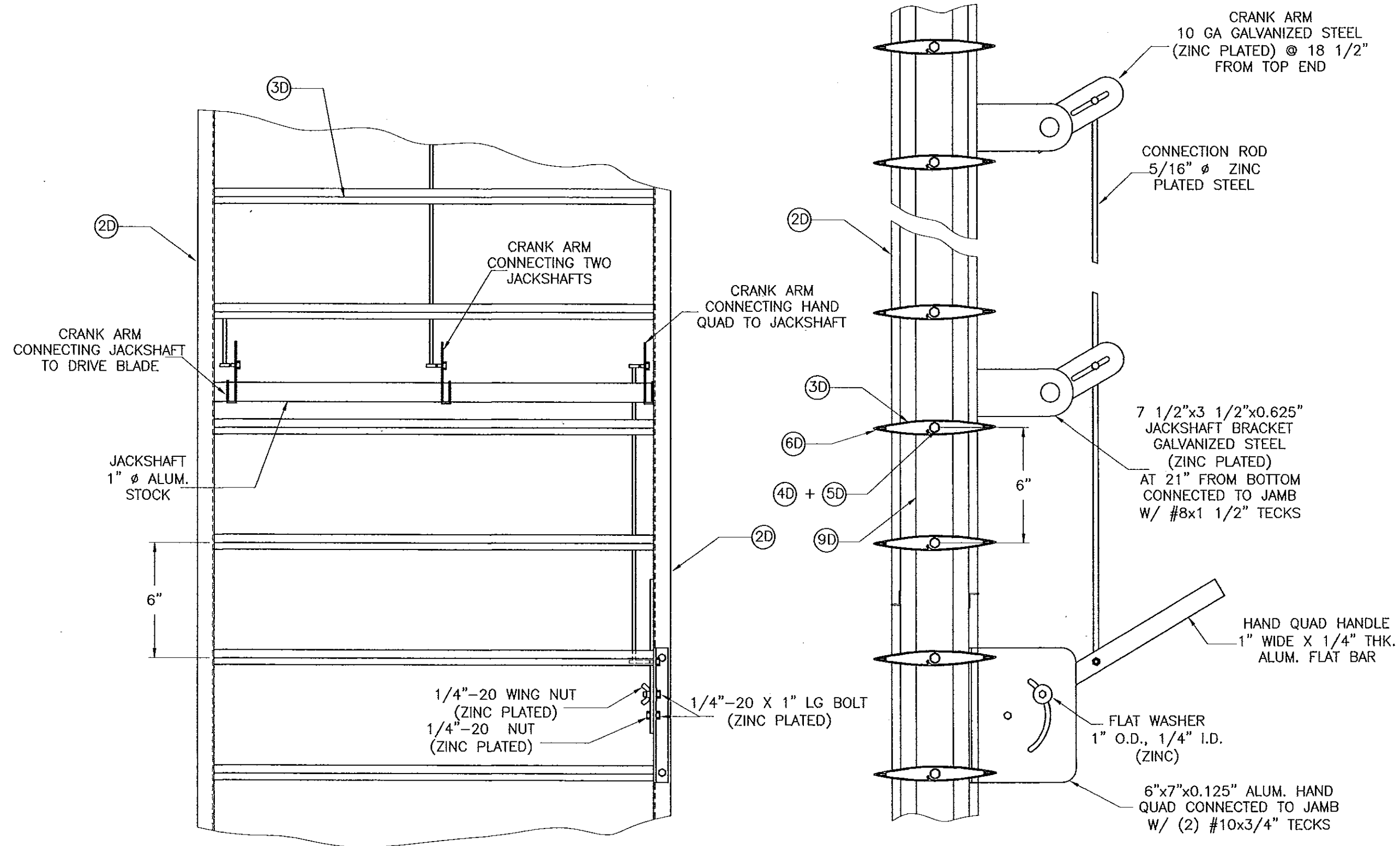
ED= EDGE DISTANCE,
SEE GENERAL NOTE 5/1

PRODUCT REVISED
as complying with the Florida
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Expiration Date 08/18/20
By *[Signature]*
Miami Dade Product Control
MIAMI-DADE COUNTY

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12/11/14
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Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

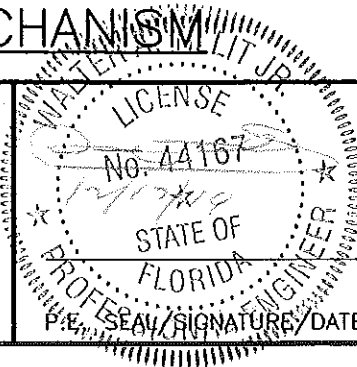
W-10-D ALUMINUM LOUVER W/ OR
W/O CD-151 DAMPER ASSEMBLY
United Earthtech
3005 South Hickory Street
Chattanooga, TN 37407
Telephone: (423)698-7715
REV. No DESCRIPTION DATE REV. No DESCRIPTION DATE
1 OLD 11-133 12/11/14 3
2
DRAWN BY:
IA/AG./M.L.
12/11/14
DATE
14-100
DRAWING No
SHEET 6 OF 7



HAND QUADRANT HANDLE MECHANISM

(SEE GENERAL NOTE 8/1)

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MIAMI-DADE COUNTY



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W/O CD-151 DAMPER ASSEMBLY

DRAWN BY:
IA/A.G./M.L.

12/11/14
DATE

14-100
DRAWING No

SHEET 7 OF 7

United Enertech
3005 South Hickory Street
Chattanooga, TN 37407
Telephone: (423) 698-7715

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 11-133	12/11/14	3		
2			4		